LIST OF REFERENCE NUMERALS

Part 10 . . . . . Collapsible Stand

Part 12 . . . . . Slide Portion

Part 14 . . . . . Control Handle

Part 16 . . . . . Sliding Inner Frame

Part 18 . . . . . Artciulating Ramp

Part 20 . . . . . Wedge Cam

Part 22 . . . . . Cam Bar

DESCRIPTION

The Ergonomic Bay Unloading Product Stacker (TEBUPS) is built of aluminum and consists of two separate structures. One is a collapsible stand that is approximately 60 inches high, 20 inches wide and 24 inches deep. The other structure is a sliding portion that attaches to the collapsible stand. This sliding portion consists of an outer frame and an inner frame with an articulating ramp.The inner frame moves up and down into various positions within the outer frame and is moved into these positions by using a control handle. The overall length of the sliding portion is 84 inches.

OPERATION
Main Embodiment

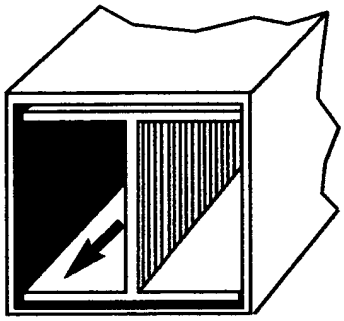
The Ergonomic Bay Unloading Product Stacker (TEBUPS) is to be used as an aid for unloading bay-type delivery trucks used in the beverage industry. The collapsible stand and sliding portion are carried on the truck and removed and set-up at each delivery location where applicable. The delivery person places the stand next to the bay area of the truck and attaches the sliding portion to this stand. The delivery person then climbs onto the side of the truck, using the stand as a foothold and takes product from the truck bay area and places them onto the sliding portion of the TEBUPS. Each product case slides down the sliding portion ramp to a set of handtrucks that is held in position by backstops attached to the base of the sliding portion. After use, the sliding portion is detached from the stand, the delivery person collapses the stand and bothstand and sliding portion are placed back onto the truck.

DESCRIPTION
Alternative Embodiments

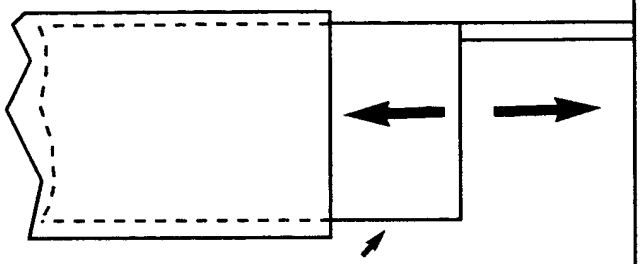
The Ergonomic Bay Unloading Product Stacker (TEBUPS) can be customized during construction to adapt to different types of bay-trucks used in the beverage industry. These embodiments would generally be a matter of size and dimension modifications, but may also include adapting the assembly to include permanent attachment to the truck wherein the assembly could be pulled and snapped into position for use.

Articulating Ramp

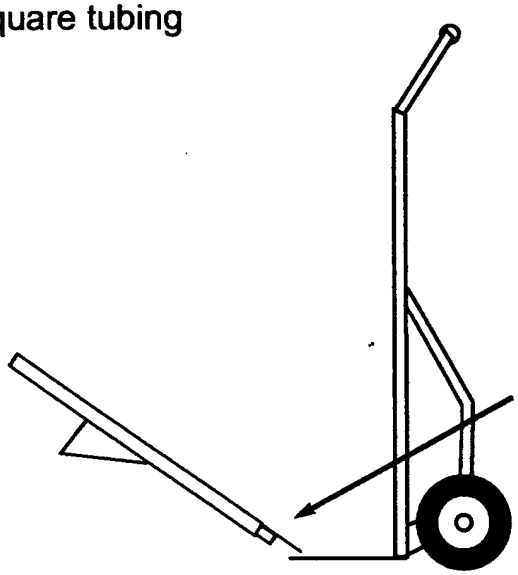
(Possible Options)



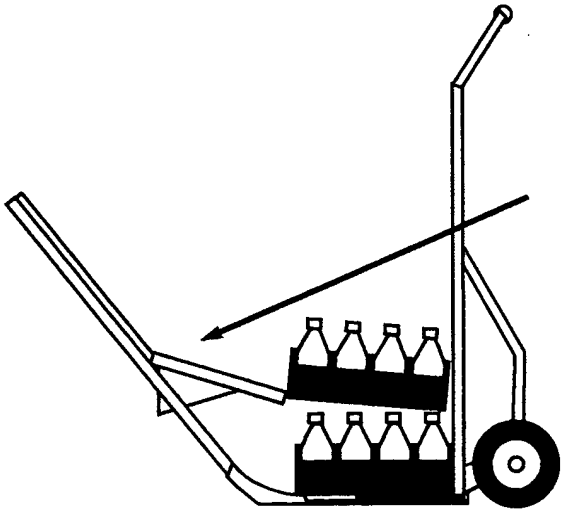
Front view inside square tubing



Side View - Sliding Inner portion would retract into and out of square tubing



In the neutral position, the inner portion could extend out to the handtruck nose plate.



It would extend out to aid in the next case of product sliding over the 1st or 2nd case already on the handtruck